® TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.
Technical and Test Institute for Construction Prague, SOE
Akreditovaná zkušební laboratoř, Autorizovaná osoba, Notifikovaná osoba, Oznámený subjekt, Subjekt pro technické posuzování, Certifikační orgán, Inspekční orgán • Accredited Testing Laboratory, Authorized Body, Notified Body, Technical Assessment Body, Certification Body, Inspection Body • Prosecká 811/76a, 190 00 Praha 9 - Prosek, Czech Republic

Branch 0300 – Pilsen

CERTIFICATE

No. 030 – 063303

about the qualities of a product

Certified quality: **Slipperiness** according to the following test procedures:

ČSN EN 16165:2022 Determination of slip resistance of pedestrian surfaces – Methods of evaluation

Customer: **DIZAJNBIRO-TAKTIL, Vladan Markovic PR, Rabrenovački put bb, 31330 PRIBOJ, Serbia**

Product: **Tactile tracks - rubber** **Guides (lines)**
Warning (circles)

Producer: **DIZAJNBIRO-TAKTIL, Vladan Markovic PR, Rabrenovački put bb, 31330 PRIBOJ, Serbia**

Order: Z 030220187

Achieved values:

Testing samples	Critical angle of slip classification according ČSN EN 16165 (annex B)
Tactile tracks – rubber - Guides (lines)	26,1° R 11
Tactile tracks – rubber - Warning (circles)	28,8° R 12

The certificate is issued on the basis of the results of the tests stated in report no. 030 – 063302 from 23. 6. 2022.

Number of pages of certificate: 1

Certificate validity: **till 30th June 2025**

The certificate can be cancelled upon fading non-adherence to the certified parameters of product qualities.

Pilsen 23rd June 2022

TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p. ZÚS Pobočka Plzeň

Razítko TZÚS – pobočka Plzeň

Ing. Alexander Trinner
director of branch

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Central laboratory
Testing department Plzeň, Zahradní 15, 326 00 Plzeň
tel.: +420 377 430 345, e-mail: ruml@tzus.cz, www.tzus.eu
L 1018.3

TEST REPORT

issued by Testing Laboratory No. 1018.3
accredited by ČIA pursuant to ČSN EN ISO/IEC 17025:2018

No. 030 – 063302

on test of anti-slip properties of tactile tracks - rubber

Ordering Party:	**DIZAJNBIRO-TAKTIL, Vladan Markovic PR**
Address:	Rabrenovački put bb, 31330 PRIBOJ, Serbia
Company ID:	110455641
Internal customer:	☒ *not required* ☐ *Authorized Body No. 204* ☐ *Notified Body 1020* ☐ *Certification Body No. 3015* ☐ *Certification Body, TZÚS Praha, s.p., Prosecká 811/76a, Prosek, 190 00 Praha 9*
Test sample:	Tactile tracks – rubber: Guides (lines) Warning (circles)
Order No.:	Z030220187

Number of pages of the Test Report incl. title page: 3 Pages of Annexes: -

Prepared by:

Mgr. Pavla Babková
specialist

Approved by:

Vít Ruml
head of the testing department

Copy No.: 1
Number of copies: 3

Plzeň, 2022-06-23

Declaration: 1) The test results in this Report relate only to the tested article and they do not substitute any other documents
2) The Test Report must be copied as a whole only otherwise a written consent of the testing laboratory is needed.
3) The laboratory is not responsible for the result if it could be influenced by the information provided by the customer (marked with * in the report).

1 Sample data

Evidence Number:	**VZ030 22 0428, VZ030 22 0429**
VZ030 22 0428	**Tactile tracks - rubber - Guides (lines)**
VZ030 22 0429	**Tactile tracks - rubber - Warning (circles)**
Order:	Z030220187
Date of sample delivery:	**2021-06-21**
Sampling place	warehouse manufacturer
Sampling method	random sampling

The results apply to the sample as received.

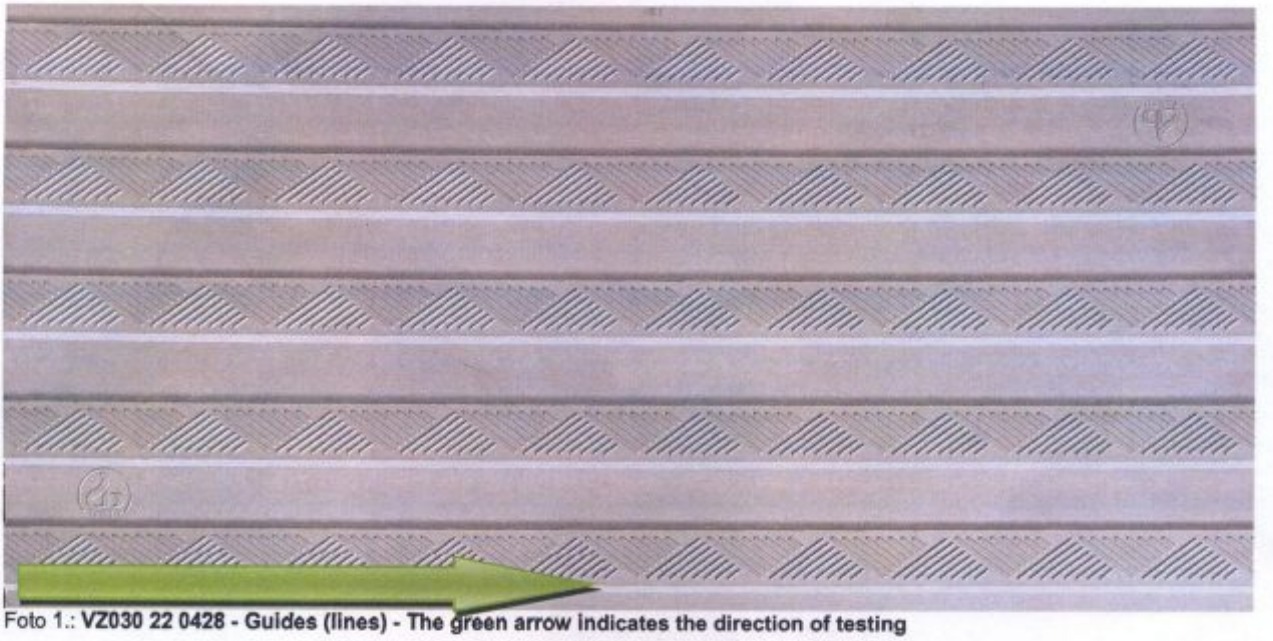

Foto 1.: **VZ030 22 0428 - Guides (lines) - The green arrow indicates the direction of testing**

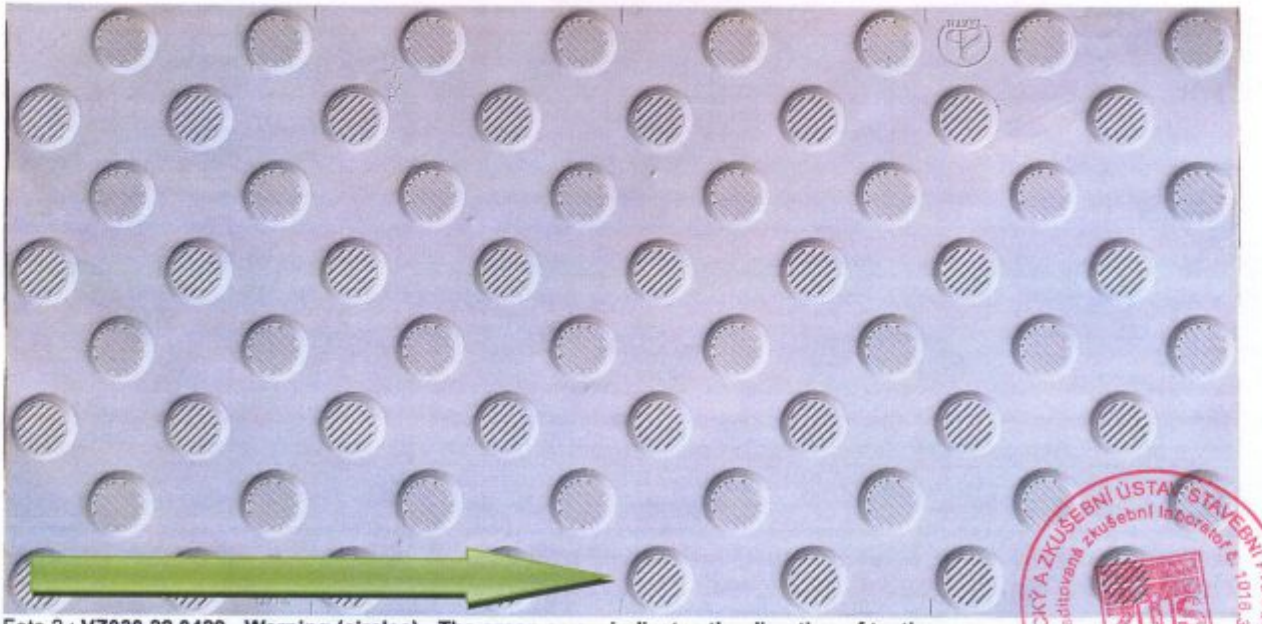

Foto 2.: **VZ030 22 0429 - Warning (circles) - The green arrow indicates the direction of testing**

2 Test methods

Identification of the test method - standard		Title/marking of the test method	
ČSN EN 16165: 2022	**Determination of slip resistance of pedestrian surfaces – Methods of evaluation**	Determination of slip resistance of pedestrian surfaces	STK00094

Additions, deviations or exclusions from the standard procedure or use of non-standardized methods: were not applied.

3 Test results

The tests were carried out on:	2022-06-23
Place of testing:	Laboratory of the Testing Department Plzeň

Data on the person who performed the test, test conditions and equipment used are listed in the Test Minutes. Apparatuses and measuring instruments that used have been verified and calibrated pursuant to a valid calibration plan of the testing department Plzeň.

3.1 Determination of slipperiness – walking methods – ramp test (shoe method) acc. to ČSN EN 16165 (annex B)

Testing samples	Critical angle of slip classification according ČSN EN 16165 (annex B)
Tactile tracks – rubber - Guides (lines)	26,1° R 11
Tactile tracks – rubber - Warning (circles)	28,8° R 12

END OF THE TEST REPORT

TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p. Akreditovaná zkušební laboratoř č. 1018.3 Zkušebna Plzeň Centrální laboratoř